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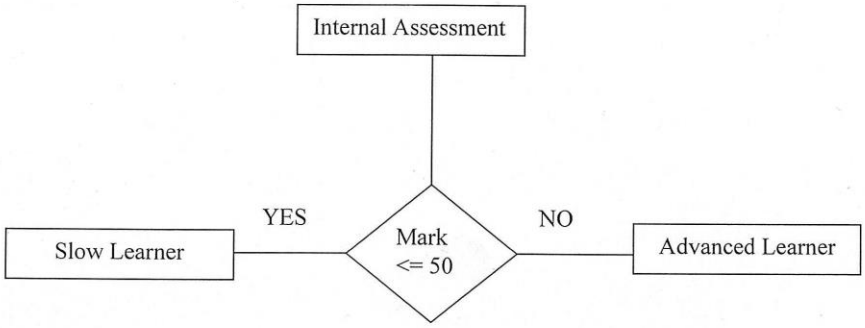
INSTITUTIONAL POLICY FOR ADVANCED AND SLOW LEARNERS

Adithya Institute of Technology has established itself as the pioneer institution by providing effective teaching-learning innovation for the betterment of the student. This policy document is set for the academic year 2020-2021 to identify the Advanced and Slow Learners. Special care is given to slow learners by conducting special classes and giving assignments. A good composition of co-curricular and extra-curricular activities is conducted periodically to inculcate the interaction between advanced learners and industry experts. Group learning is exercised among slow and advanced learners.

Identification of advanced and slow learners

- The Student Profile which includes details about student performance in curricular, co curricular and extracurricular helps to distinguish the slow and advanced learners.
- The class advisor/tutor plays a major role in analyzing the performance of students in university examination and gathering feedback from the subject faculty.
- Class committee meetings are conducted thrice per semester and feedback is collected from the subject faculties.
- Based on the performance in internal assessment, students are categorized as advanced and slow learners.



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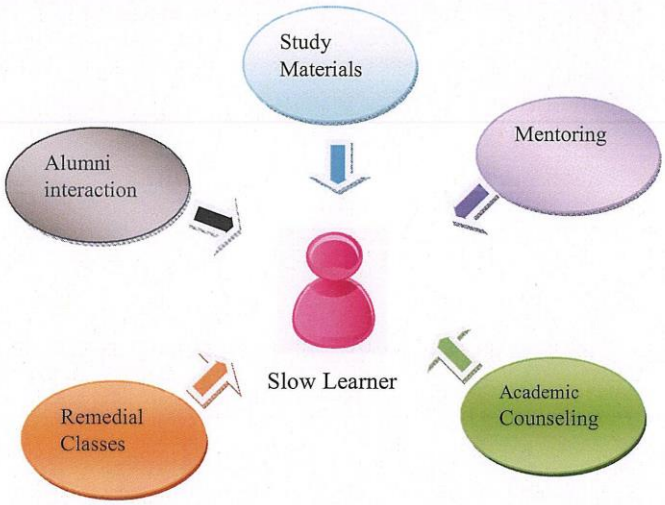
Guidelines for improving slow learners

- **Study materials** for previous year Anna University Question Papers are prepared by the faculty and distributed to the students.
- **Mentors** are assigned to counsel the students in overcoming the difficulties and hardships.
- **Academic counseling** given to students based on their incapability.
- **Remedial classes** are conducted by the subject experts to improvise the slow learners subject understanding and learning skill.
- **Alumni interactions** are organized to motivate the slow learners to achieve the goals.



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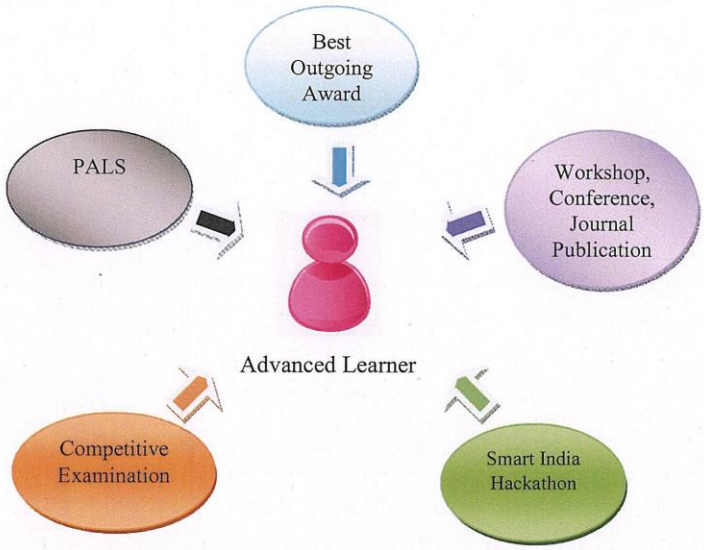
Guidelines to enhance advanced learners

- **Best Outgoing Awards** are given to final year students who have excellence proficiency knowledge in curricular, co-curricular and extracurricular activities.
- Advanced learners are encouraged to participate in **workshops**, **conferences** and **publish journal papers** to showcase their talents.
- Students are motivated to apply for **TNSCT** sponsored projects and industry-sponsored projects.
- Guided to participate in **Competitive examinations** like GATE, TANCET, TNPSC, Bank Exams, etc.
- Advanced learners are motivated to exhibit their talent in **Smart India Hackathon** and **PALS**.
- Students are encouraged to do **new innovations** and attend multiple **campus interviews**.



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ADVANCED LEARNERS

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BEST OUTGOING AWARD

Mechanical Student Mr.Dharmesh - Best Outgoing student(Overall) - Awarded in UTSAV 2018

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CONFERENCE CERTIFICATE

DAIT DHAANISH AHMED INSTITUTE OF TECHNOLOGY

An ISO 9001:2015 Certified Institution
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
K. G Chavadi, Coimbatore-641105, India.
E-mail: info@dhaanishcollege.in, website: www.dhaanish.com

International E-Conference on Recent Developments in Engineering & Technology

(ICRDET'21)

CERTIFICATE OF PARTICIPATION

This is to certify that Prof/Dr./Mr./Ms./Mrs. RAJESH P

of ADITHYA INSTITUTE OF TECHNOLOGY, COIMBATORE has presented a paper

on SAMRT WEED ROBOT

in International E-Conference on Recent Developments in Engineering & Technology organized by Dhaanish Ahmed Institute of Technology on 3rd April 2021.

CONVENOR PRINCIPAL CEO

Rajesh P, participated in International E-Conference

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NEW INNOVATIONS

Students are motivated to do New Innovations

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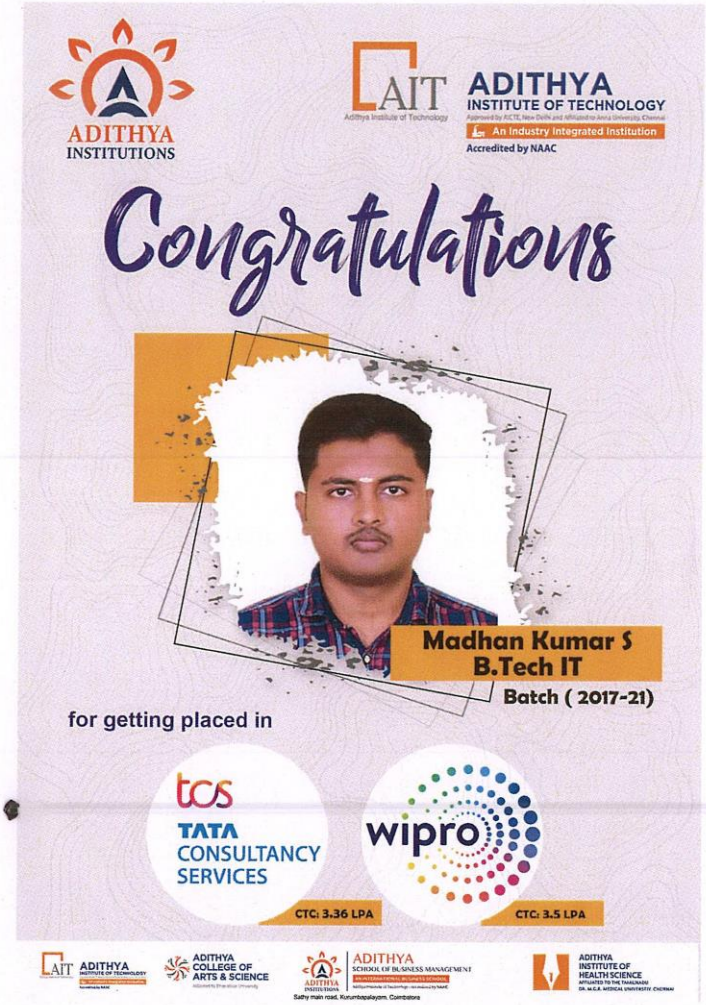
PLACEMENT OFFER



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D. Sumanth

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PAPER PUBLICATION

ISSN (ONLINE): 2454-9762
ISSN (PRINT): 2454-9762
Available online at www.ijarmate.com
Journal of Advanced Research in Management, Architecture, Technology and Engineering
Volume 4, April 2021

IMPLEMENTATION OF IOT ENABLED SMART DEVICES USING AI/ML, NON -CONTACT MONITORING SYSTEM FOR COVID 19 DETECTION AND PRECAUTION

Mr. G.VINOTH*, AKASH MURALI P M *, BALAJI RASWANTH K S*
AIDAHUN IONGDHAR*,KARTHIKA S*
*Assistant Professor,*Scholar
*,*ADITHYA INSTITUTE OF TECHNOLOGY
Coimbatore

Abstract— The recent outbreak of COVID-19 pandemic has exposed the wide spread of virus which leads to loss of human life. Another major issue is that handling the appliances directly during this pandemic situation. The virus will spread fast. To overcome this problem the proposed system is to automatically predict, detect the body temperature of human and also to handle the appliances through sensors. Raspberry-pi 4 is connected through IP address via partial Wi-Fi. Raspberry pi camera is used to detect the face of the object.

For handling and controlling the appliances, PIR sensor and relay is introduced. The PIR sensor will detect the motion. This proposed system will prevent human from the corona virus and reducing the wide spread of the virus from direct handling of appliances. Hence this proposed system will reduce the loss of human life.

Keywords— Raspberry-pi 4,Raspberry- pi camera,MLX90614 sensor, PIR sensor, Ultrasonic sensor, WI-FI

I. INTRODUCTION

Corona virus disease (COVID-19) is an infectious disease caused by a newly discovered corona virus. It is mandatory to predict and detect the body temperature of a person in this pandemic. For detecting the temperature MLX90614 sensor have been introduced. Due to this virus, people should not touch the appliances directly because the virus will spread fast. To overcome this problem non-contact monitoring and handling the appliances using IOT have been introduced.. Basically, IOT is a community wherein all bodily items are linked to the internet through network devices or routers and alternate information.

II. PROPOSED SYSTEM

The Ultrasonic sensor will detect the human. The Raspberry pi camera start to predict the image of human. MLX90614 sensor will detect the body temperature. The submerged dc motor pump starts to do the precautionary action (sanitary and water) for human.

The UV light kills the germs/virus on the belongings of human. For handling and controlling the appliances, PIR sensor and relay is being introduced.

This proposed system will prevent human from the corona virus and reducing the wide spread of the virus from direct handling of appliances.

III.BLOCK DIAGRAM

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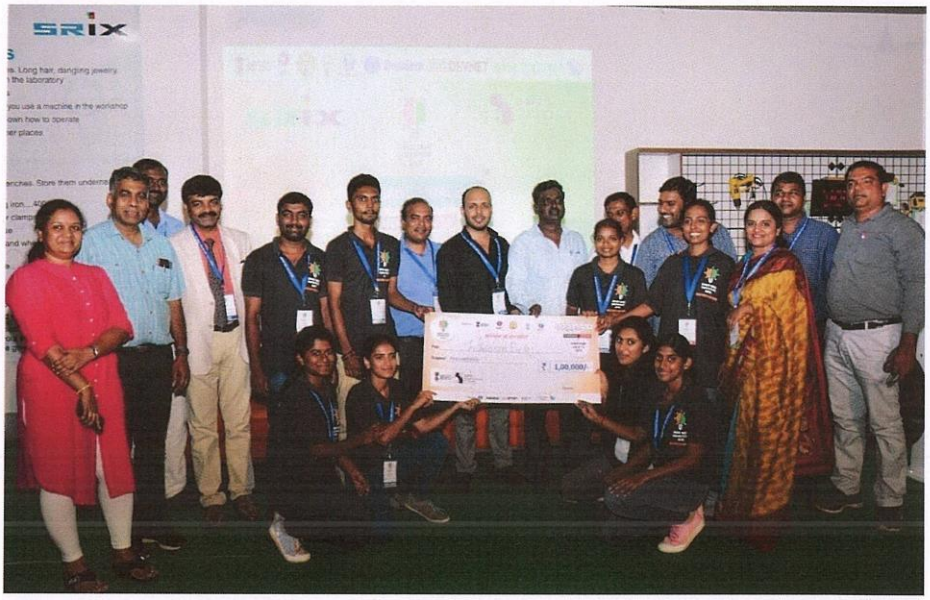
HACKATHON ACHIEVEMENT



First Prize in Smart India Hackathon 2019 Hardware Edition (Cash Prize Rs.One Lakh)

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PALS ACHIEVEMENT

Students of AIT bagged First Prize in PALS Coimbatore Cluster

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SLOW LEARNERS

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2017-2018 [ODD SEM]

SLOW LEARNERS NAMELIST

BASED ON PERFORMANCE IN INTERNAL ASSESSMENT - 01

III CSE

Date: 14.08.2017

Semester: 05

Subject: CS6503-Theory of Computation

S.No	Name
1	ABINAYA SRI K
2	BHARATH KUMAR S
3	BUVANESH M
4	KARTHIK RAJA V
5	MYTHILI S
6	NAVEEN KUMAR R
7	SANJAY V
8	VINOTH KUMAR R
9	SATHISH KUMAR G

Faculty In-charge

HoD

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2017-2018 [ODD SEM]

III CSE REMEDIAL CLASS TIMETABLE

Date / Time	Subject
16.08.2017 / 5.00 to 6.00 PM	Discrete Mathematics
17.08.2017 / 5.00 to 6.00 PM	Internet Programming
18.08.2017 / 5.00 to 6.00 PM	Object Oriented Analysis and Design
19.08.2017 / 5.00 to 6.00 PM	Theory of Computation
21.08.2017 / 5.00 to 6.00 PM	Computer Graphics

Faculty In-charge

HoD

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2017-2018 [ODD SEM]

SLOW LEARNERS NAMELIST

IMPROVEMENT IN INTERNAL ASSESSMENT - 02

III CSE

Date: 14.08.2017

Semester: 05

Subject: CS6503-Theory of Computation

S.No	NAME	IA01 MARK	IA02 MARK
1	ABINAYA SRI K	35	78
2	BHARATH KUMAR S	23	65
3	BUVANESH M	30	72
4	KARTHIK RAJA V	15	55
5	MYTHILI S	40	70
6	NAVEEN KUMAR R	12	62
7	SANJAY V	25	76
8	VINOTH KUMAR R	18	60
9	SATHISH KUMAR G	32	78

Faculty In-charge

HoD

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ACADEMIC COUNSELING

Students attending academic counseling

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D. Somand

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ALUMNI INTERACTION

Madhankumar S, of 2010 batch interacted with the students

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HANDWRITTEN NOTES

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CS8501 - Theory of Computation

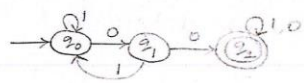
Part-A

1. Regular expression for all strings ending in 00.

$(0+1)^*00$

2. DFA to accept strings with two consecutive 0's.

$L = \{00, 100, 000, 001, 1000, \ldots\}$



3. Finite automata

A Finite automata consist of

1. A Finite set of states, denoted by Q.
2. A Finite set of input symbols, denoted by Σ.
3. A transition function that takes as arguments a state and an input symbol and returns a state, denoted by δ.
4. A start state, q_0.
5. A set of Final or accepting states.

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